

PTO/SB/08A (07-05)

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Form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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|-------|---|----|---|------------------------|---------|
| Sheet | 1 | of | 3 | Attorney Docket Number | GRND.12 |
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### Complete if Known

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|----------------------|---------------|
| Application Number   | 10/602,666    |
| Filing Date          | June 25, 2003 |
| First Named Inventor | Ford Oxaal    |
| Art Unit             | 2600          |
| Examiner Name        |               |

### U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No.1 | Document Number | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document | Pages, Columns, Lines, Where Relevant Passages or<br>Relevant Figures Appear |
|--------------------|-----------|-----------------|--------------------------------|----------------------------------------------------|------------------------------------------------------------------------------|
|                    |           |                 |                                |                                                    |                                                                              |
| RY                 | A1        | US 6,344,852    | 02-05-2002                     | Zhu                                                |                                                                              |
| RY                 | A2        | US 6,243,099    | 06-05-2001                     | Oxaal                                              |                                                                              |
| RY                 | A3        | US 3,725,563    | 04-03-1973                     | Woycechowsky                                       |                                                                              |
| RY                 | A4        | US 4,667,236    | 05-19-1987                     | Dresdner                                           |                                                                              |
| RY                 | A5        | US 4,728,839    | 03-01-1988                     | Coughlan, et al.                                   |                                                                              |
| RY                 | A6        | US 4,821,209    | 04-11-0989                     | Hempel, et al.                                     |                                                                              |
| RY                 | A7        | US 4,763,280    | 08-09-1988                     | Robinson, et al.                                   |                                                                              |
| RY                 | A8        | US 5,027,287    | 06-25-1991                     | Artigalas, et al.                                  |                                                                              |
| RY                 | A9        | US 5,185,667    | 02-19-1993                     | Zimmermann                                         |                                                                              |
| RY                 | A10       | US 5,321,776    | 06-14-1994                     | Shapiro                                            |                                                                              |
| RY                 | A11       | US 5,359,363    | 10-25-1994                     | Kuban, et al.                                      |                                                                              |
| RY                 | A12       | US 5,396,284    | 03-07-1995                     | Freeman                                            |                                                                              |
| RY                 | A12       | US 5,434,617    | 07-18-1995                     | Bianchi                                            |                                                                              |
| RY                 | A14       | US 5,495,292    | 02-27-1996                     | Zhang                                              |                                                                              |

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|                                                          |   |    |   |                        | Art Unit                 | 2622          |
|                                                          |   |    |   |                        | Examiner Name            |               |
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| RY                     | A15       | US 5,666,157    | 09-09-1997                  | Aviv                                            |                                                                           |  |
| RY                     | A16       | US 5,684,937    | 11-04-1997                  | Oxaal                                           |                                                                           |  |
| RY                     | A17       | US 6,049,281    | 04-11-2000                  | Osterwell                                       |                                                                           |  |
| RY                     | A18       | US 6,147,709    | 11-14-2000                  | Martin, et al.                                  |                                                                           |  |
| RY                     | A19       | US 6,509,926    | 01-21-2003                  | Mills, et al.                                   |                                                                           |  |
| RY                     | A20       | US 6,724,421    | 04-20-2004                  | Glatt                                           |                                                                           |  |
| RY                     | A21       | US 6,757,434    | 06-29-2004                  | Miled, et al.                                   |                                                                           |  |
| RY                     | A22       | US 6,763,068    | 07-13-2004                  | Oktem                                           |                                                                           |  |
| RY                     | A23       | US 20030128756  | 07-10-2003                  | Oktem                                           |                                                                           |  |
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| <b>NON PATENT LITERATURE DOCUMENTS</b> |                       |                                                                                                                                                                                                                                                                 |  |  |                |
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| Examiner Initials*                     | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |  |                |
| RY                                     | B1                    | Comaniciu, D., Ramesh, V., and Meer, P., "Real-Time Tracking of Non-Rigid Objects Using Mean-shift," IEEE Computer Vision and Pattern Recognition, Vol. 1 II, 2000, pp. 142-149                                                                                 |  |  | T <sup>2</sup> |
| RY                                     | B2                    | Y. Yardimci, I. Yilmaz, A. E. Cetin, "Correlation Tracking Based on Wavelet Comain Information," Proceedings of SPIE Vol. #5204, San Diego, 5-7 Aug., 2003                                                                                                      |  |  |                |
| RY                                     | B3                    | A M. Bagci, Y. Yardimci, A. E. Cetin, "Moving Object Detection Using Adaptive Subband Decomposition and Franchtional Lower-Order Statistics in Video Sequences," Signal Processing, 82 (12): 1941-1947, DEC 2002                                                |  |  |                |
| RY                                     | B4                    | C. Stauffer, W. Grimson, "Adaptive Background Mixture Models for Real-Time Tracking," Proc. IEEE CS Conf. on Computer Vision and Pattern Recognition, Vol. 2, 1999, pp. 246-252                                                                                 |  |  |                |
| RY                                     | B5                    | "A System for Video Surveillance and Monitoring," in Proc. American Nuclear Society (ANS) Eighth International Topical Meeting on Robotics and Remote Systems, Pittsburgh, PA, April 25-29, 1999 by Collins, Lipton and Kanade                                  |  |  |                |
| RY                                     | B6                    | Aube, 12th International Conference on Automatic Fire Detection, 2001                                                                                                                                                                                           |  |  |                |
| RY                                     | B7                    | X. Zhou, R. Collins, T. Kanade, and P. Metes, "A Master-Slave System to Acquire Biometric Imagery of Humans at Distance", ACM International Workshop on Video Surveillance, November 2003                                                                       |  |  |                |
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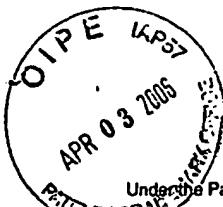
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|                                                                                                          |   | First Named Inventor   | Ford Oxaal    |
|                                                                                                          |   | Art Unit               | 2628          |
|                                                                                                          |   | Examiner Name          | R. Yang       |
| Sheet                                                                                                    | 1 | of                     | 3             |
|                                                                                                          |   | Attorney Docket Number | GRND-24C      |

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|                                                                                                          |   |    |   | Filing Date              | June 25, 2003 |
|                                                                                                          |   |    |   | First Named Inventor     | Ford Oxaal    |
|                                                                                                          |   |    |   | Art Unit                 |               |
|                                                                                                          |   |    |   | Examiner Name            |               |
| Sheet                                                                                                    | 3 | of | 3 | Attorney Docket Number   | GRND-24C      |

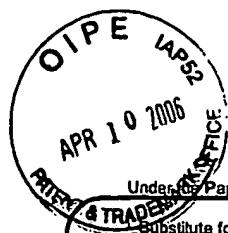
| <b>NON PATENT LITERATURE DOCUMENTS</b> |                       |                                                                                                                                                                                                                                                                 |  |  |  |                |
|----------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------|
| Examiner Initials*                     | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |  |  | T <sup>2</sup> |
| RY                                     | B1                    | Comaniciu, D., Ramesh, V., and Meer, P., "Real-Time Tracking of Non-Rigid Objects Using Mean-shift," IEEE Computer Vision and Pattern Recognition, Vol. 1 II, 2000, pp. 142-149                                                                                 |  |  |  |                |
| RY                                     | B2                    | Y. Yardimci, I. Yilmaz, A. E. Cetin, "Correlation Tracking Based on Wavelet Comain Information," Proceedings of SPIE Vol. #5204, San Diego, 5-7 Aug., 2003                                                                                                      |  |  |  |                |
| RY                                     | B3                    | A M. Bagci, Y. Yardimci, A. E. Cetin, "Moving Object Detection Using Adaptive Subband Decomposition and Fractional Lower-Order Statistics in Video Sequences," Signal Processing, 82 (12): 1941-1947, DEC 2002                                                  |  |  |  |                |
| RY                                     | B4                    | C. Stauffer, W. Grimson, "Adaptive Background Mixture Models for Real-Time Tracking," Proc. IEEE CS Conf. on Computer Vision and Pattern Recognition, Vol. 2, 1999, pp. 246-252                                                                                 |  |  |  |                |
| RY                                     | B5                    | "A System for Video Surveillance and Monitoring," in Proc. American Nuclear Society (ANS) Eighth International Topical Meeting on Robotics and Remote Systems, Pittsburgh, PA, April 25-29, 1999 by Collins, Lipton and Kanade                                  |  |  |  |                |
| RY                                     | B6                    | Aube, 12th International Conference on Automatic Fire Detection, 2001                                                                                                                                                                                           |  |  |  |                |
| RY                                     | B7                    | X. Zhou, R. Collins, T. Kanade, and P. Metes, "A Master-Slave System to Acquire Biometric Imagery of Humans at Distance", ACM International Workshop on Video Surveillance, November 2003                                                                       |  |  |  |                |
|                                        |                       |                                                                                                                                                                                                                                                                 |  |  |  |                |
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|--------------------|-------------|-----------------|------------|
| Examiner Signature | /Ryan Yang/ | Date Considered | 08/17/2006 |
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Sheet 1 of 1

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|                        |               |
|------------------------|---------------|
| Application Number     | 10/602,666    |
| Filing Date            | June 25, 2003 |
| First Named Inventor   | Ford Oxaal    |
| Art Unit               | 2622 2628     |
| Examiner Name          | R. Yang       |
| Attorney Docket Number | GRND-12       |

| FOREIGN PATENT DOCUMENTS |                       |                                                                                   |                                |                                                    |                                                                                 |
|--------------------------|-----------------------|-----------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document                                                           | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear |
|                          |                       | Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |                                                    |                                                                                 |
| RY                       | B1                    | EP 1 341 383 A2                                                                   | 09/03/2003                     | Sharp Kabushiki Kaisha                             |                                                                                 |
| RY                       | B2                    | WO 02/062056 A1                                                                   | 08/08/2002                     | Koninklijke Philips Electronics NV                 |                                                                                 |
|                          |                       |                                                                                   |                                |                                                    |                                                                                 |
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| Examiner<br>Signature | /Ryan Yang/ | Date<br>Considered | 08/17/2006 |
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Sheet 1 of 1 Attorney Docket Number GRND-24C

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS |                       |                                                                                   |                                |                                                    |                                                                                                   |
|--------------------------|-----------------------|-----------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document                                                           | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear<br>T <sup>6</sup> |
|                          |                       | Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known) |                                |                                                    |                                                                                                   |
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|                          |                       |                                                                                   |                                |                                                    |                                                                                                   |
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